
From: Edlund, Carl
Sent: Wednesday, August 30, 2017 4:15 PM
To: Gray, David; Coleman, Sam
Cc: Restivo, Angela; Phillips, Pam; Taheri, Diane; Carroll, Craig; Smalley, Bryant
Subject: RE: HH 1700 update 8302017
Attachments: 8-30-17 1700 Update DRAFT .docx

David and Sam- here is the draft of today's evening report

Angela and company-= thanks for getting this to me in time for me to review it. I made a small correction to show the Brine Services and Falcon Refinery sites as scheduled for an inspection today. Until we get Nic Brescia's report I don't want to mislead ... Nicely written

Oh...NPL table will change but I need to work with John on what to put into it...something for the morrow

From: Restivo, Angela
Sent: Wednesday, August 30, 2017 3:37 PM
To: Edlund, Carl ; Phillips, Pam ; Taheri, Diane
Subject: HH 1700 update 8302017



Tropical Storm Harvey 2017 8/30/2017 – 1700 CDT Update

Highlights

Texas

The EPA Aspect aircraft has completed its initial overflight of the Arkema facility in Crosby, TX. Although no vapors were detected migrating from the site and no thermal abnormalities were detected on the overflight, Arkema has estimated that the first trailer could reach auto ignition temperatures within the next 24 hours. Due to health and safety concerns Harris County Fire Department has adopted a defensive posture at the facility and is maintaining a 1.5-mile evacuation around the facility. Should a release/fire occur EPA will conduct another mission over the facility with Aspect.

EPA, Texas Commission on Environmental Quality (TCEQ), Texas General Land Office (TGLO) and US Coast Guard (USCG) have established Emergency Support Function (ESF) 10 Unified Command to respond to the impacts of Hurricane Harvey. The Unified Command Post is currently in Corpus Christi. As of August 30, 2017, six EPA Incident Management Team members are in Unified Command.

Four EPA Region 6 water team members are ready to deploy to Corpus Christi to conduct additional water system assessments. Due to reported fuel and lodging shortages in the Corpus Christi area, deployment of the team is being delayed.

Two National Priorities List Superfund sites (Falcon Refinery Site and the Brine Service Sites located in Corpus Christi, Texas) are scheduled to be inspected on August 30, 2017.

Administrator is visiting Corpus Christi today and the State Operations Center in Austin tomorrow.

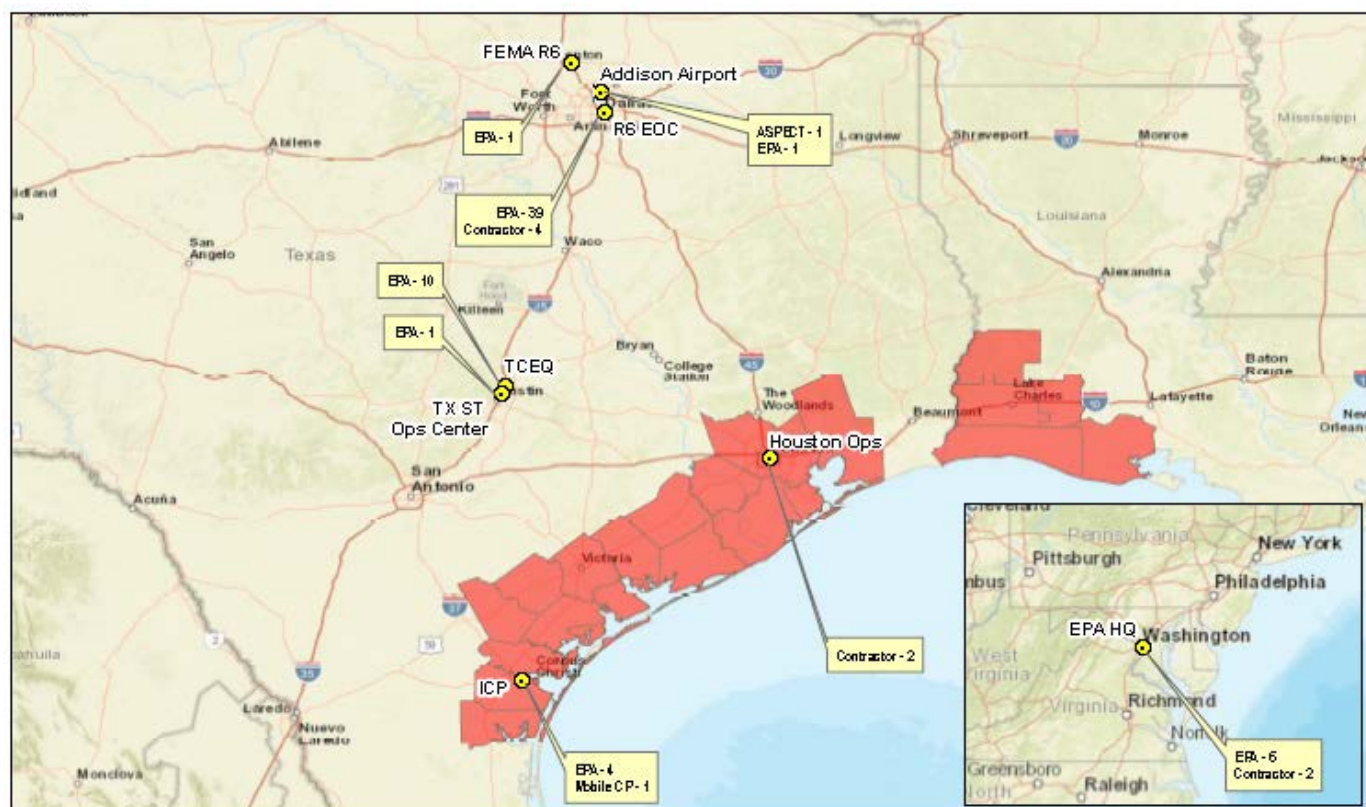
There has been an expansion of the Federally Declared counties in Texas. An additional fourteen counties were added today. Three of the fourteen were added for emergency services such as hosting mega shelters.

Louisiana

EPA continues to participate in National Weather Service (NWS) and Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP) conference calls. EPA coordinates with LDEQ periodically throughout the day.

Resources

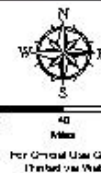
| Personnel | EPA Dallas, TX | FEMA Denton, TX | Texas SOC Austin, TX | TCEQ Austin, TX | Houston, TX | Corpus Christi, TX | HQ EOC Wash DC | Totals |
|---------------|----------------|-----------------|----------------------|-----------------|-------------|--------------------|----------------|--------|
| EPA | 39 | 1 | 1 | 10 | | 9 | 6 | 66 |
| START | 3 | | | | 2 | 2 | | 7 |
| IT Contractor | 1 | | | | | | 2 | 3 |
| TOTAL | 43 | 1 | 1 | 10 | 2 | 11 | 8 | 76 |



Legend

- Resource Location
 Federally Declared County/Parish

**US EPA Region 6
Resources Locations Map**
Hurricane Harvey Response



PAGE
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Send all article submissions to: HSC Editor, 1505 Avenue H, P.O. Box 12000, Houston, TX 77255. Tel: 713/792-7200. Fax: 713/792-7201. E-mail: hsc@hsc.tmc.edu. Web: www.hsc.tmc.edu. HSC is a Division of the University of Texas System.

FILE: C:\clemens\kumavoc\0616429\Bawagan Locities\Map Files\0616429\064_25212PH_02926T.cml

Industrial Sources

Area facilities are reporting their status to TCEQ as they continue to be shutdown or begin to initiate start-up activities.

Spill/Release Response

| Hotline Calls as of 1500 on August 30, 2017 | |
|--|----|
| Number of Harvey Related Calls Received During Reporting Period | 18 |
| Total Number of Harvey Related Calls to Date | 54 |

On August 30, 2017 the Unified Command has seven teams in the field conducting reconnaissance. The teams consist of personnel from TCEQ, Civil Support Team (CST), EPA, and a USCG. These teams are conducting hazard evaluations of orphaned containers found during field reconnaissance. Evaluations are used to determine actions needed to stabilize and or remove items in the future.

EPA Emergency Response Assets

EPA's aerial assessment aircraft is conducting aerial reconnaissance over the Corpus Christi area.

Quality Assurance Sampling Plans (QASP)

Regional Emergency Operations Center Environmental Unit members are incorporating Headquarters Emergency Operations Center comments into the EPA QASP for surface /flood water and dirt. These sampling plans have been created to address public health concerns regarding possible contaminants found in storm water and soil that was displaced during the storm.

Drinking Water / Wastewater Assessments

One Water Infrastructure team consisting of two TCEQ staff is slated to visit two systems based on information developed by the TCEQ/EPA call bank in Austin, TX. Additional EPA Region 6 Water Team members are prepared to deploy to Corpus Christi once lodging is established.

EPA is supporting TCEQ in contacting drinking water and waste water systems. EPA deployed 10 personnel to assist TCEQ's Drinking Water and Waste Water Phone Bank located in Austin, Texas on August 28, 2017.

Drinking Water Systems - Total # of Systems: 4510

| STATUS | NUMBER OF SYSTEMS |
|---|-------------------|
| Contact Pending | 56 |
| Out of Contact | 32 |
| On generator – lost pressure | 5 |
| No problems | 210 |
| On generator – never lost pressure | 15 |
| No Status | 4155 |
| Lost pressure & or Treatment | 7 |
| Site visit needed | 2 |
| Lifted boil water notice due to negative bacteria samples. Normal Ops resumed | 8 |
| Not Operating | 20 |

Waste Water Systems- Total # of Systems: 2466

| STATUS | NUMBER OF SYSTEMS |
|--|-------------------|
| Contact Pending - Phone evaluation only | 41 |
| Out of Contact - phone evaluation only | 6 |
| No Problems | 250 |
| No Status | 2127 |
| Waste Water Treat. Plant and/or Collection on Generator or bypass pumps for Lift Station | 16 |
| Waste Water Treat. Plant and/or Collection non-operational no Sanitary Sewer Overflow | 19 |
| WWTP and/or Collection Partially Operational Sanitary Sewer Overflow | 7 |

| Boil Water Notices and Water System Status as reported by TCEQ | | |
|--|---------|------------|
| | Systems | Population |
| Boil Water Notices (BWN) In Place | 52 | 184,941 |
| Shutdown Drinking Water Systems | 23 | 103,622 |
| Shut Downs Waste Water Systems | 17 | NA |
| Boil Water Notices Lifted | 2 | 332,493 |

EPA Laboratory/ Analytical Services

The Houston laboratory is reporting that they will be closed until Tuesday September 5, 2017. The laboratory and office building is not damaged. EPA has back up capabilities for laboratory services should the Houston facility remain closed.

EPA's organic chemical mobile laboratory is enroute from Denver, Colorado to the Corpus Christi area. The anticipated arrival in Corpus Christi is Friday September 1, 2017. The mobile laboratory will be

utilized to process environmental samples.

Data Management

Region 6 activated the National Data team to provide support data management activities in Corpus Christi. Two Data Team members have been deployed and are expected to arrive in Corpus Christi by Friday September 1, 2017.

Communications

EPA is fully integrated into the Department of Homeland Security and FEMA communication structure and management, and participates in the daily National Incident Communication Conference Line (NICCL) call. EPA has initiated its Crisis Communication Plan to ensure rapid response to providing coordinated, accurate, up-to-date information regarding its field activities. EPA's Public Information Office will be established in Dallas with forward field components as needed to support the HQ Office of Public Affairs.

Refineries/Fuel Waivers

1. TEXAS: EPA has approved the State of Texas' request to extend the Texas fuel waiver to allow use of non-road diesel fuel in on-road applications. This non-road fuel has different tax treatment, and to differentiate it, is colored with red dye. We need to waive the limitations in our regulations and then IRS needs to issue a waiver as well.
2. LOUISIANA: A waiver that would allow use of 9.0lb. RVP was approved on 28 August.
3. GEORGIA: The fuels team is continuing to investigate the fuel supply issue. It is likely that we will need to issue a waiver soon.
4. OKLAHOMA: A statewide low Reid Vapor Pressure (RVP) fuel waiver request was submitted on August 28, 2017.
5. The Renewable Fuels Association submitted a request to relax the RVP to 10 psi.

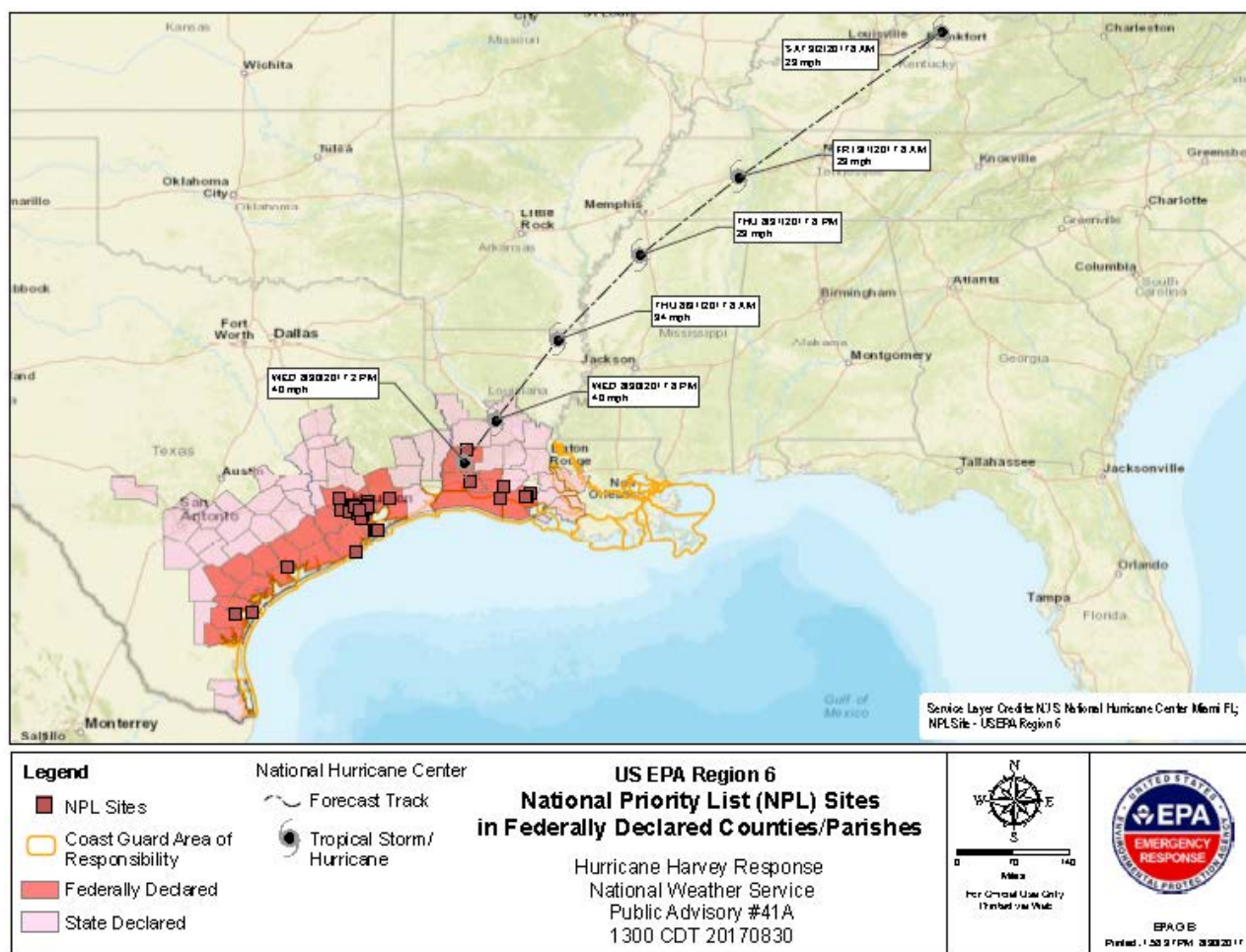
Funding

| Funding Sources | Funding Ceiling | Spent to Date | Remaining Balance | Daily Burn Rate |
|------------------------|------------------------|----------------------|--------------------------|------------------------|
| Non Mission Assignment | N/A | \$64,200.00 | \$0.00 | |
| MA 4332DR-TX-EPA-01 | \$20,000.00 | \$0.00 | \$20,000.00 | |
| MA 4332DR-TX-EPA-03 | \$8,592,000.00 | \$75,864.86 | \$8,516,135.14 | \$37,932.43 |
| Totals: | \$8,612,000.00 | \$75,864.86 | \$8,536,135.14 | |

EPA has received a Mission Assignment (MA) to assist the State of Texas with drinking water, wastewater and Hazmat recovery operations. This Mission Assignment for \$8.5 million added 170 EPA and USCG personnel to the TCEQ Hurricane Harvey response in Corpus Christi, Houston and surrounding impacted areas. This MA is for support of assessment and response operations to actual or threatened spill or release of hazardous materials and oil. Assistance includes response to release/discharges from fixed facilities, as well as orphaned containers and mobile sources.

Superfund NPL Sites

Region 6 Remedial Project Managers continue to monitor and assess the status of NPL sites in the impacted areas. Some sites continue to be inundated with flood water. Assessments of those site will be conducted as flood waters recede. The San Jacinto River Waste Pits site is experiencing severe flooding. The highest point of the temporary cap is under 5-feet of flood water. Floodwaters are not expected to recede for several days. The US Oil Recovery Site in Houston responsible parties notified the NRC that low-levels of contaminants in residual sludge from the former wastewater treatment plant are being released into floodwaters. Responsible parties for Falcon Refinery and Brine Services sites in Corpus Christi wind and water damage with no reported releases. Other impacted sites are experiencing varying degrees of flooding with no reported releases.



**Superfund Sites within Federally Declared
Counties**

8/30/2017

| SITE NAME | STATE | COUNTY | Status Summary |
|---|-------|--------------------|---|
| ALCOA (Point Comfort) / LAVACA BAY | TX | CALHOUN | NPL Remedy Complete, No Reported Impact |
| BRINE SERVICE CO. | TX | NUECES | RI underway, Impacted |
| BRIO REFINING INC. | TX | HARRIS | NPL Remedy Complete, Impacted |
| CRYSTAL CHEMICAL CO. | TX | HARRIS | NPL Remedy Complete, No Reported Impact |
| DIXIE OIL PROCESSORS INC. | TX | HARRIS | NPL Remedy Complete, Impacted |
| FALCON REFINERY | TX | SAN PATRICIO | RI underway, Impacted |
| FRENCH, LTD. | TX | HARRIS | NPL Remedy Complete, Impacted |
| GENEVA INDUSTRIES / FUHRMANN ENERGY | TX | HARRIS | NPL Remedy Complete, Impacted |
| GULFCO MARINE MAINTENANCE | TX | BRAZORIA | NPL Remedy Complete, Status not Confirmed |
| HARRIS (FARLEY STREET) | TX | HARRIS | NPL Remedy Complete, Status not Confirmed |
| HIGHLANDS ACID PIT | TX | HARRIS | NPL Remedy Complete, Impacted |
| JONES ROAD GROUNDWATER PLUME | TX | HARRIS | GW Remedy Underway, No Reported Impact |
| MALONE SERVICES COMPANY | TX | GALVESTON | NPL Remedy Underway, Impacted |
| MANY DIVERSIFIED INTERESTS, INC | TX | HARRIS | NPL Remedy Complete, Impacted |
| MOTCO, INC. | TX | GALVESTON | NPL Remedy Complete, Status not Confirmed |
| NORTH CAVALCADE STREET | TX | HARRIS | NPL Remedy Complete, No Reported Impact |
| PATRICK BAYOU | TX | HARRIS | RI Underway, Impacted |
| PETRO-CHEMICAL SYSTEMS, INC. (Turtle Bayou) | TX | LIBERTY | NPL Remedy Complete, Impacted |
| SAN JACINTO RIVER WASTE PITS | TX | HARRIS | Temporary Cap, impacted |
| SIKES DISPOSAL PITS | TX | HARRIS | NPL Remedy Complete, Impacted |
| SOL LYNN / INDUSTRIAL TRANSFORMERS | TX | HARRIS | NPL Remedy Complete, Impacted |
| SOUTH CAVALCADE STREET | TX | HARRIS | NPL Remedy Complete, No Reported Impact |
| TEX-TIN CORP. | TX | GALVESTON | NPL Remedy Complete, Impacted |
| US OIL RECOVERY | TX | HARRIS | RI Underway, Impacted |
| AMERICAN CREOSOTE DERIDDER | LA | BEAUREGARD | Pre-RI, No Reported Impact |
| GULF STATE UTILITIES (North Ryan Street) | LA | CALCASIEU | NPL Remedy Complete, No Reported Impact |
| MALLARD BAY LANDING BULK PLANT | LA | CAMERON | NPL Remedy Complete, No Reported Impact |
| SBA SHIPYARD | LA | JEFFERSON DAVIS | RI Underway, No Reported Impact |
| PAB OIL & CHEMICAL SERVICE | LA | VERMILION | NPL Remedy Complete, No Reported Impact |
| GULF COAST VACUUM SERVICES | LA | VERMILION | NPL Remedy Complete, Reported Impact |
| D.L. MUD, INC. | LA | VERMILION | NPL Remedy Complete, No Reported Impact |

| Legend of NPL Site Status Summary Indicators | |
|--|--|
| Impacted | Direct information of storm damage: flooding or wind |
| No Reported Impact | Direct information of no storm damage |
| Status not Confirmed | No available information-site not accessible |

Louisiana Activities

Louisiana Department of Environmental Quality (LDEQ)

Radiation licensees in the anticipated impacted area have been contacted to discuss storm preparations and contingencies of radiological sources. LDEQ is monitoring the status of nuclear plants Waterford 3, and Riverbend Station; both facilities enacted their preliminary stages of their Severe Weather plans.

Louisiana Department of Health (LDH)

Three Public Water Systems (PWS) are on a Boil Water Advisory (BWA) related to Hurricane Harvey. One Water System is currently out of service in Calcasieu Parish.